**System engineering modeling of the broadcasting path with frequency pre-emphasis.**

**Part 2: Modeling a device in the SystemVue system 9**

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***Abstract***

 ***The first part of the article (WTC, 2019-4(13), p. 16-19***) ***was devoted to the analysis of the prerequisites for modeling a noise reduction system used in broadcasting and based on introducing frequency predistortions into the spectrum of the transmitted signal with their subsequent exclusion on the receiving side in order to reduce the influence of high-frequency channel interference on sound quality. A scheme of a device simulating a two-channel broadcasting path with frequency predistortions at the level of functional blocks was proposed, a detailed description of the operation of the device is given.***

 ***The second part of the article contains a description of the device model implemented in the SystemVue simulation software package. The application of metasystems representing a multi-level hierarchical structure is considered in detail. In the developed model, the metasystem was used to simulate a multiplexer, which allows for alternating the operation of the device’s channels, thereby implementing the procedure for conducting auditory examinations using pairwise comparisons.***

 ***Keywords: modeling, system, noise reduction.***

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